

Erratum

Erratum to “Self-Compacting Concrete: Theoretical and experimental study” [Cement and Concrete Research 35(11) (2005) 2116–2136]

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In Cement and Concrete Research 35, 2116–2136 (2005), Self-compacting concrete: theoretical and experimental study, by H.J.H. Brouwers and H.J. Radix, Eqs. (10) and (29) should be replaced by

$$V_f = \frac{\phi^{\text{SCC}} \cdot m^3 - V_{\text{air}} - V_c \left(1 + (a_c \Gamma_p + b_c) \frac{\rho_c}{\rho_w} + dm_{\text{SP}} \cdot n \cdot \frac{\rho_c}{\rho_{\text{SP}}} \right)}{1 + (a_f \Gamma_p + b_f) \frac{\rho_c}{\rho_w} + dm_{\text{SP}} \cdot n \cdot \frac{\rho_c}{\rho_{\text{SP}}}}, \quad (10)$$

and

$$\beta_p = \frac{\varphi_p^d}{1 - \varphi_p^d} = \frac{0.77 \cdot \varphi_p^l}{1 - 0.77 \cdot \varphi_p^l} = \frac{0.77 \cdot (\rho_p - \rho_p^l)}{0.77 \cdot \rho_p^l + 0.23 \cdot \rho_p}, \quad (29)$$

respectively. The typological errors have no further impact on the content of the paper.

In Section 8, all appearing ϕ should be replaced by φ . In the captions of Figs. 11 and 12, “mass” should be replaced by “volume”.

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